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Approved For Release 2003/01/28 : CIA-RDP78B04770A002000050015-0

NPIC/TIE/D-729-67
7 March 1967

MEMORANDUM FOR: Director, National Photographic Interpretation Center
THROUGH : Chief, Support Staff, NPIC
SUBJECT : Request for Approval of the Split Format Light Table Project with [redacted] to be Expended from FY 1967 R&D Funds.
REFERENCE : Chief, Administrative Staff, O/DPI Memorandum of 4 February 1964 on: "Approval of Research and Development Activities"

1. The Split Format Light Table Project is for the modification of the [redacted] light table to meet NPIC requirements.

2. Certain photographic acquisition systems, because of the way in which the film must be threaded through the cameras, produce imagery in which stereoscopic pairs are separated by as much as several feet. Various pieces of equipment have been built to enable interpreters conveniently to view these stereo pairs without damaging the intermediate imagery, but the cost and complexity of these devices make them impractical for widespread use.

3. [redacted] recently attacked this problem with partial success, producing a light table with a series of rollers through which the film is threaded to take up the unwanted imagery. The resulting light table is within an acceptable price range and is generally more practical than other available tables, but the procedure for threading the take-up rollers is cumbersome, and the amount of film which can be absorbed on the take-up rollers does not meet NPIC requirements.

4. Under this 4-month project, the [redacted] Light Table will be modified to simplify the threading and to allow film take-up of from 6 to 72 inches. The work will be contracted to the [redacted] since it has demonstrated the greatest interest and capability in dealing with the problem involved. The work will not duplicate any other effort underway in the Community, and other organizations performing photo interpretation have been informed that it would be advisable to await this modification before ordering any more split format light tables.

Declass Review by
NIMA/DOD

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

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SUBJECT: Request for Approval of the Split Format Light Table
Project with [REDACTED] to be
Expendable from FY 1967 R&D Funds

25X1

5. This project is in direct response to a requirement of the Photographic Analysis Group. It is intended both to increase photo interpreter efficiency and to avoid damage to valuable film. Alternative solutions are to forgo the potential increases in efficiency by ordering the un-modified [REDACTED] light tables, or to expend substantially greater funds for existing more sophisticated and expensive equipment.

25X1

6. The attached Catalog Form and contract proposal present the technical justification for approving this project in FY 1967.

7. It is recommended that this project be approved at a funding level of [REDACTED]

25X1

25X1

Colonel USAF
Assistant for Technical Development, NPIC

Attachments: a/s

25X1

APPROVED

ARTHUR C. LUNDANL

Director

National Photographic Interpretation Center

18 MAR 1967

DATE

Distribution:

Original - NPIC/SS/LB

1 - CH/SA/NPIC

1 - SS/LB/NPIC

1 - CH/DAFT/SS/NPIC

1 - O/A/TD

3 - TDS/DS ✓

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NPIC/TDS [REDACTED] (7 Mar 67)

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TAB A

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R & D CATALOG FORM

DATE 1 March 1967

25X1

1. PROJECT TITLE/CODE NAME Split Format Light Table		2. SHORT PROJECT DESCRIPTION The Modification of Split Vertical Light Table. 25X1	
3. CONTRACTOR NAME 		4. LOCATION OF CONTRACTOR 	
5. CLASS OF CONTRACTOR Manufacturer		6. TYPE OF CONTRACT FP	
7. FUNDS FY 1966 \$ None FY 1967 FY 1968 \$ None		8. REQUISITION NO. N.A.	9. BUDGET PROJECT NO. NP-V-24-02247
		10. EFFECTIVE CONTRACT DATE (Begin - end) May 67 - Aug 67	11. SECURITY CLASS. AA - Confidential T - Unclassified W - Unclassified
12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION DDI/NPIC/TDS/			
13. REQUIREMENT/AUTHORITY To efficiently exploit reconnaissance photography, NPIC, must employ stereoviewing. On some photography conjugate images are widely separated; a split format light table is required to bring conjugate views close enough together to permit stereoviewing.			
14. TYPE OF WORK TO BE DONE Engineering Development			
15. CATEGORIES OF EFFORT			
MAJOR CATEGORY Viewing Systems		SUB-CATEGORIES 	
16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC. The end item will be a prototype split format light table with mated microscope. The prototype will allow a variable take-up loop of 0"-72" versus the 12"-72" of the commercially available table. The microscope mount will be ball screw type, an improvement over the slide and friction lock mount presently used.			
17. SUPPORTING OR RELATED CONTRACTS (Agency & Other)/COORDINATION No related contracts were found. Coordination was through and informal liaison with NRTSC and DIA/DIAAP-IP. 25X1			
18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (Continue on additional page if required) A split format light table is required to effectively exploit several types of operational photography at NPIC. currently manufactures a table of this type but it requires modification to adopt it to general NPIC use. The proposed program is to modify the design of the current table to simplify film threading, increase film take-up loop variability and improve the microscope mount. 25X1			
19. APPROVED BY AND DATE			
OFFICE Approved For Release 2003/01/28 : CIA-RDP78B04770A002000050015-0	DEPUTY DIRECTOR		DDCI

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TRANSMITTAL SLIP

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FROM:

D/NPIC (After approval)

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BUILDING

EXTENSION

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FORM NO. 241
1 FEB 55

REPLACES FORM 36-8
WHICH MAY BE USED.

(47)

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